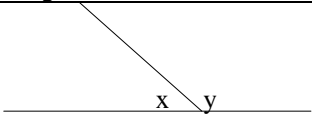
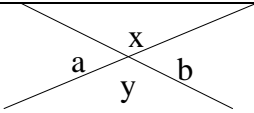
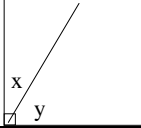
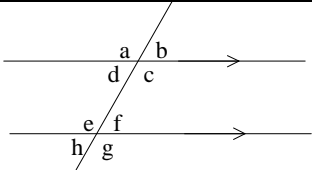
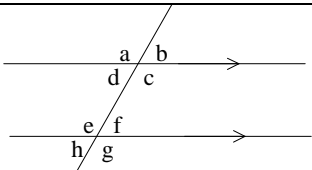
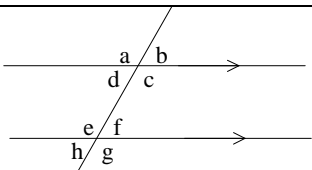
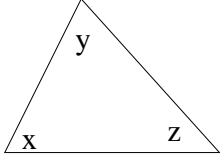

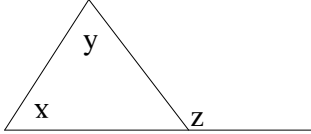
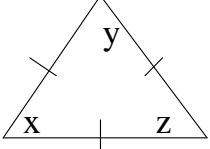


Geometric Theorems Summary Sheet

Supplementary, Opposite & Complementary Angles		
Theorem	Diagram	Description
Supplementary Angles (SA)		<ul style="list-style-type: none"> - supplementary angles add to 180° - angles on a straight line are supplementary $x + y = 180^\circ$
Opposite Angles (OAT)		<ul style="list-style-type: none"> - opposite angles are equal $x = y$ $a = b$
Complementary Angles (CA)		<ul style="list-style-type: none"> - complementary angles add up to 90° $x + y = 90^\circ$
Parallel Line Theorems (PLT)		
Theorem	Diagram	Description
Corresponding Angles (Cor)		<ul style="list-style-type: none"> - corresponding angles are equal - they form an F-pattern $a = e$ $b = f$ $c = g$ $d = h$
Alternate Angles (Alt)		<ul style="list-style-type: none"> - alternate angles are equal - they form a Z-pattern $c = e$ $d = f$
Interior Angles (Int)		<ul style="list-style-type: none"> - interior angles add up to 180° (are supplementary) - they form a C-pattern $c + f = 180^\circ$ $d + e = 180^\circ$
Triangle Theorems		
Theorem	Diagram	Description
Sum of Angles in a Triangle Theorem (SATT)		<ul style="list-style-type: none"> - the sum of angles in a triangle is 180° $x + y + z = 180^\circ$
Isosceles Triangle Theorem (ITT)		<ul style="list-style-type: none"> - the angles opposite the equal sides are equal $a = b$
Exterior Angle Theorem (EAT)		<ul style="list-style-type: none"> - the exterior angle is equal to the sum of the 2 opposite interior angles $z = x + y$
Equilateral Triangle		<ul style="list-style-type: none"> - all angles are equal (60°) $x = y = z = 60^\circ$